

What is claimed is:

- 1 1. A method of controlling communications in a network, comprising:
2 receiving a request to route signaling and traffic associated with a first
3 terminal to a second terminal;
4 associating a logical identifier of the first terminal with the second
5 terminal;
6 receiving a call request specifying the logical identifier of the first
7 terminal; and
8 sending an alert indication to the second terminal.

*SIMILAR TO
MOBILE-IP
EXCEPT MIP IS
✓ / INDOE.*

- 1 2. The method of claim 1, wherein associating the logical identifier of the
2 first terminal with the second terminal comprises associating a directory number of the
3 first terminal with the second terminal.

- 1 3. The method of claim 1, wherein associating the logical identifier
2 comprises storing a table associating the logical identifier with identifiers of the first and
3 second terminals.

- 1 4. The method of claim 3, wherein storing the table comprises storing a table
2 associating the logical identifier with Internet Protocol addresses of the first and second
3 terminals.

- 1 5. The method of claim 1, further comprising receiving at least another
2 request to route signaling and traffic of the first terminal to at least another terminal.

- 1 6. The method of claim 1, wherein receiving the request comprises receiving
2 the request in a terminal proxy server.

1 7. The method of claim 6, wherein the terminal proxy server communicates
2 with a switch module having plural logical ports, the method further comprising the
3 terminal proxy server associating a logical port of the first terminal with the second
4 terminal.

1 8. The method of claim 1, wherein the route request comprises a request to
2 override the first terminal with the second terminal.

1 9. The method of claim 8, wherein an alert indication is not sent to the
2 overridden first terminal.

1 10. The method of claim 1, wherein the route request comprises a request to
2 replicate the first terminal with the second terminal.

1 11. The method of claim 10, further comprising sending another alert
2 indication to the first terminal.

1 12. The method of claim 11, further comprising receiving an answer
2 indication from one of the first terminal and second terminal.

1 13. The method of claim 11, further comprising establishing a call session
2 between one of the first terminal and second terminal and another terminal that sent the
3 call request.

THE
THE TEAM THAT SENT CA AND ONE OF ...

1 14. The method of claim 10, wherein sending the alert indication comprises
2 multicasting the alert indication for receipt by the first and second terminals.

1 15. The method of claim 1, further comprising:
2 receiving an off-hook indication from the second terminal; and
3 processing a call in response to the off-hook indication as if the second
4 terminal is the first terminal.

1 16. An article comprising at least one storage medium containing instructions
 2 that when executed cause a controller to:
 3 receive a request to establish a first terminal as a clone of a second
 4 terminal; ~ no setting.
 5 receive a call request specifying the second terminal as a target; and
 6 route the call request to the first terminal.

1 17. The article of claim 16, wherein the instructions when executed cause the
 2 controller to further disable the second terminal.

1 18. The article of claim 16, wherein the instructions when executed cause the
 2 controller to further set the first terminal as a replicate of the second terminal.

1 19. The article of claim 18, wherein the instructions when executed cause the
 2 controller to further route the call request to the second terminal.

1 20. The article of claim 19, wherein the instructions when executed cause the
 2 controller to further receive an indication from one of the first and second terminals that
 3 the call request has been answered.

1 21. The article of claim 20, wherein the instructions when executed cause the
 2 controller to further establish a call session between the one of the first and second
 3 terminals and another terminal that transmitted the call request.

1 22. The article of claim 16, wherein the instructions when executed cause the
 2 controller to receive the call request over a packet-based network.

Best Available Copy

1 23. A system comprising:
 2 an interface to a network coupled to at least a first terminal and a second
 3 terminal; and
 4 a control module adapted to, in response to a request from a first terminal,
 5 define the first terminal as a clone of a second terminal.

1 24. The system of claim 23, wherein the control module is adapted to receive
 2 a call request containing a logical identifier of the second terminal, the control module
 3 adapted to send an alert to the first terminal in response to the call request.

1 25. The system of claim 24, wherein the logical identifier comprises a
 2 directory number.

1 26. The system of claim 23, further comprising a switch module
 2 communicatively coupled to the control module

1 27. The system of claim 26, wherein the control module is adapted to receive
 2 a request from the first terminal to establish a call, and wherein the switch module is
 3 adapted to treat the request as a request from the second terminal.

1 28. The system of claim 26, wherein the switch module is associated with
 2 plural logical ports, the control module adapted to select one of the logical ports for
 3 communicating signaling of the first terminal.

1 29. The system of claim 28, wherein the selected logical port comprises a
 2 logical port assigned to the second terminal.

1 30. The system of claim 23, wherein the control module comprises a terminal
 2 proxy server.

1 31. The system of claim 30, further comprising a storage unit containing
2 information associating a directory number with the first and second terminals.

1 32. The system of claim 23, wherein the control module is adapted to override
2 the second terminal in response to the request.

1 33. The system of claim 23, wherein the control module is adapted to set the
2 first terminal as a replicate of the second terminal.

1 34. The system of claim 23, wherein the interface comprises an interface to an
2 Internet Protocol network.

1 35. The system of claim 23, wherein the first terminal comprises a wireless
2 terminal.

1 36. A data signal embodied in a carrier wave and comprising instructions that
2 when executed cause a system to:
3 receive a request to route signaling and traffic associated with a first
4 terminal to at least one other terminal;
5 associate a logical identifier of the first terminal with the at least one other
6 terminal;
7 receive a call request specifying the logical identifier of the first terminal;
8 and
9 send an alert indication to the at least one other terminal.

1 37. A system for cloning terminals coupled to a network, comprising:
2 a control unit; and
3 a plurality of soft client modules executable on the control unit,
4 each soft client module adapted to send a request to a server on the
5 network to select one of the terminals to clone.

SEE IF
SUPPORTED
IN PRX

1 38. The system of claim 37, wherein each soft client module is adapted to
2 receive an alert indication from the server corresponding to a call request received by the
3 server for the terminal the soft client module is cloning.

1 39. The system of claim 37, further comprising a router to select one of the
2 soft client modules for communicating packets in a call session.

1 40. The system of claim 37, comprising an Internet Protocol layer associated
2 with one Internet Protocol address, the router using an additional code in each packet to
3 select one of the soft client modules.

1 41. A method of controlling communications in a network, comprising:
2 receiving a request to establish a first terminal as a clone of a second
3 terminal;
4 receiving an indication from the first terminal, the indication
5 corresponding to activation of a element on the first terminal; and
6 processing the indication based on information associated with the second
7 terminal.

1 42. The method of claim 41, wherein receiving the indication comprises
2 receiving an indication corresponding to activation of a button on the first terminal.